



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.12.2012 Bulletin 2012/50

(51) Int Cl.:
G06Q 30/00 (2012.01) H04L 12/56 (2006.01)

(43) Date of publication A2:
26.11.2008 Bulletin 2008/48

(21) Application number: **08009579.7**

(22) Date of filing: **26.05.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(30) Priority: **25.05.2007 KR 20070051057**

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(54) **System and method for transmitting/receiving data by using a mobile communication terminal in a zigbee PAN**

(57) A mobile communication terminal equipped with a Zigbee communication module for transmitting/receiving contents data in a Zigbee Personal Area Network (PAN) and a method for transmitting/receiving data by a mobile communication terminal in a communication system of the Zigbee PAN are provided. The communication system of the Zigbee PAN includes a first terminal equipped with a Zigbee communication module capable of Zigbee communication, for generating contents data for extracting a tag from the generated contents data, generating profile information using the tag, and for broadcasting the profile information and the contents data in the Zigbee PAN, and a second terminal for comparing a tag of the contents data detected from the received profile information with a previously stored tag upon receiving the profile information broadcasted from the first terminal, and then for receiving the contents data if the detected tag of the contents data and the previously

stored tag coincide with each other.

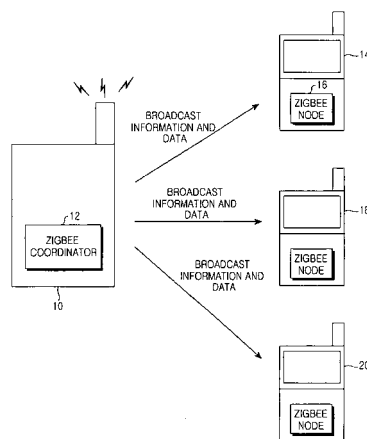


FIG.1



EUROPEAN SEARCH REPORT

Application Number
EP 08 00 9579

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 253 540 A2 (HEWLETT PACKARD CO [US]) 30 October 2002 (2002-10-30) * claims 1-32; figures 1-6 * * paragraphs [0065], [0074] - [0080], [0088], [0090], [0093], [0095] - [0097] *	1-15	INV. G06Q30/00 H04L12/56
X	US 6 456 234 B1 (JOHNSON WILLIAM J [US]) 24 September 2002 (2002-09-24) * abstract; claims 1-22; figures 1-20 * * column 2, line 10 - column 5, line 8 * * column 16, line 22 - line 44 * -----	1-15	
X	US 2006/123053 A1 (SCANNELL ROBERT F JR [US]) 8 June 2006 (2006-06-08) * abstract; claims 1-83; figures 6,8 * * paragraphs [0019] - [0039] * -----	1-15	
A	BARONTI ET AL: "Wireless sensor networks: A survey on the state of the art and the 802.15.4 and ZigBee standards", COMPUTER COMMUNICATIONS, ELSEVIER SCIENCE PUBLISHERS BV, AMSTERDAM, NL, vol. 30, no. 7, 29 December 2006 (2006-12-29), pages 1655-1695, XP022024796, ISSN: 0140-3664, DOI: 10.1016/J.COMCOM.2006.12.020 * Chapter 3 * -----	1-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) G06Q
Place of search The Hague		Date of completion of the search 7 November 2012	Examiner Streit, Stefan
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 00 9579

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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07-11-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1253540 A2	30-10-2002	EP 1253540 A2	30-10-2002
		JP 2003036391 A	07-02-2003
		US 2002160793 A1	31-10-2002

US 6456234 B1	24-09-2002	US 6456234 B1	24-09-2002
		US 2002164999 A1	07-11-2002
		US 2004252051 A1	16-12-2004
		US 2007005188 A1	04-01-2007
		US 2007232326 A1	04-10-2007
		US 2007233387 A1	04-10-2007
		US 2007233388 A1	04-10-2007
		US 2007276587 A1	29-11-2007
		US 2008030308 A1	07-02-2008
		US 2009271271 A1	29-10-2009
		US 2010207782 A1	19-08-2010
		US 2012056716 A1	08-03-2012

US 2006123053 A1	08-06-2006	US 2006123053 A1	08-06-2006
		WO 2007064443 A2	07-06-2007
